

	Learning Cycle 1	Learning Cycle 2	Learning Cycle 3
Year 9	<ul style="list-style-type: none"> Key biological concepts States of matter Methods of separating and purifying substances 	<ul style="list-style-type: none"> Motion Cells and control Atomic structure The periodic table 	<ul style="list-style-type: none"> Forces and motion Genetics Ionic bonding
Year 10	<ul style="list-style-type: none"> Ionic bonding Covalent bonding Types of substance Conservation of energy Natural selection and genetic modification 	<ul style="list-style-type: none"> Waves Acids Health, disease and the development of medicines Light and the electromagnetic spectrum Radioactivity Calculations involving mass Electrolytic processes 	<ul style="list-style-type: none"> Plant structures and their functions Obtaining and using metals Energy forces doing work Forces and their effects
Year 11	<ul style="list-style-type: none"> Classification, variation and inheritance The Earth's sea and atmosphere Materials from the Earth Acids Visible light and the solar system The electromagnetic spectrum 	<ul style="list-style-type: none"> Responses to a changing environment Obtaining and using metals Fuels Waves and the Universe Waves and the Earth Controlled assessment 	<ul style="list-style-type: none"> Problems of, and solutions to a changing environment Generation and transmission of electricity Energy and the future